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14. ABSTRACT

The 2014 International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (http://sbp-conference.org/) was held in Washington, D.C., from April 1 to April 4, 2014. This year, the SBP 2014 conference was co-located with the Behavior Representation in Modeling and Simulation (BRiMS) conference. Four tutorials were given on April 1 before the start of the main conference. The main conference program consisted of three keynote addresses, 34 oral paper presentations (24 SBP and 10 BRiMS), 42 posters (36 SBP & 8 BRiMS), two challenge response papers, and a panel with federal funding presentations with roundtable discussions.

15. SUBJECT TERMS
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Invited Speaker Support for SBP Conference Series (SBP 2014) held in April, 2014 in Washington, DC.

ABSTRACT

The 2014 International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (http://sbp-conference.org/) was held in Washington, D.C., from April 1 to April 4, 2014. This year, the SBP 2014 conference was co-located with the Behavior Representation in Modeling and Simulation (BRiMS) conference. Four tutorials were given on April 1 before the start of the main conference. The main conference program consisted of three keynote addresses, 34 oral paper presentations (24 SBP and 10 BRiMS), 42 posters (36 SBP & 8 BRiMS), two challenge response papers, and a panel with federal funding presentations with roundtable discussions.

This grant is used to support conference invited speakers.

A full report of SBP2014 generated by SBP2014 conference chairs is included as the attachment.

Enter List of papers submitted or published that acknowledge ARO support from the start of the project to the date of this printing. List the papers, including journal references, in the following categories:

(a) Papers published in peer-reviewed journals (N/A for none)

<u>Received</u>   <u>Paper</u>

TOTAL:

Number of Papers published in peer-reviewed journals:

(b) Papers published in non-peer-reviewed journals (N/A for none)

<u>Received</u>   <u>Paper</u>

TOTAL:

Number of Papers published in non peer-reviewed journals:

(c) Presentations

Number of Presentations: 0.00

Non Peer-Reviewed Conference Proceeding publications (other than abstracts):

<u>Received</u>   <u>Paper</u>

TOTAL:

Number of Non Peer-Reviewed Conference Proceeding publications (other than abstracts):

Peer-Reviewed Conference Proceeding publications (other than abstracts):

<u>Received</u>   <u>Paper</u>

TOTAL:

Number of Peer-Reviewed Conference Proceeding publications (other than abstracts):

(d) Manuscripts

<u>Received</u>   <u>Paper</u>

TOTAL:

Number of Manuscripts:

Books

Received   Book

   TOTAL:

Received   Book Chapter

   TOTAL:

Patents Submitted

Patents Awarded

Awards

Graduate Students

NAME	PERCENT_SUPPORTED
FTE Equivalent:	
Total Number:	

Names of Post Doctorates

NAME	PERCENT_SUPPORTED
FTE Equivalent:	
Total Number:	

Names of Faculty Supported

NAME	PERCENT_SUPPORTED

FTE Equivalent:
Total Number:

Names of Under Graduate students supported

NAME	PERCENT_SUPPORTED

FTE Equivalent:
Total Number:

Student Metrics
This section only applies to graduating undergraduates supported by this agreement in this reporting period

The number of undergraduates funded by this agreement who graduated during this period: 0.00

The number of undergraduates funded by this agreement who graduated during this period with a degree in science, mathematics, engineering, or technology fields:...... 0.00

The number of undergraduates funded by your agreement who graduated during this period and will continue to pursue a graduate or Ph.D. degree in science, mathematics, engineering, or technology fields:...... 0.00

Number of graduating undergraduates who achieved a 3.5 GPA to 4.0 (4.0 max scale):...... 0.00

Number of graduating undergraduates funded by a DoD funded Center of Excellence grant for Education, Research and Engineering:...... 0.00

The number of undergraduates funded by your agreement who graduated during this period and intend to work for the Department of Defense 0.00

The number of undergraduates funded by your agreement who graduated during this period and will receive scholarships or fellowships for further studies in science, mathematics, engineering or technology fields:...... 0.00

Names of Personnel receiving masters degrees

NAME

Total Number:

Names of personnel receiving PHDs

NAME

Total Number:

Names of other research staff

NAME	PERCENT_SUPPORTED

FTE Equivalent:
Total Number:

Sub Contractors (DD882)

Inventions (DD882)

Scientific Progress

This grant is used to support 1 keynote speaker (Dr. David Lightfoot) and two tutorial speakers (one speaker for each tutorial, Dr. David Sallach, and Dr. Marc Smith)

A full conference report by Dr. Claudio Cioffi-Revilla is included as an attachment.

Technology Transfer

SBP 2014 Conference Final Report

Submitted by Claudio Cioffi-Revilla, 2014 SBP Lead Co-chair (ccioffi@gmu.edu)

July 8, 2014

Contents

Overview

The 2014 International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (http://sbp-conference.org/) was held in Washington, D.C., from April 1 to April 4, 2014. This year, the SBP 2014 conference was co-located with the Behavior Representation in Modeling and Simulation (BRiMS) conference. Four tutorials were given on April 1 before the start of the main conference. The main conference program consisted of three keynote addresses, 34 oral paper presentations (24 SBP and 10 BRiMS), 42 posters (36 SBP & 8 BRiMS), two challenge response papers, and a panel with federal funding presentations with roundtable discussions.

The goal of the SBP conference is to cultivate cross-disciplinary communication and collaboration, for the purpose of advancing substantive domain knowledge and advanced computational methodologies across the social, behavioral, and economic sciences. The conference is a merger of two successful conferences, the International Conference on Computational Cultural Dynamics (2007–2009), and the International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (2008–2010) (http://sbp.asu.edu/).

The conference offers an opportunity for behavioral and social science researchers to come together with computational and computer scientists and other related disciplines. It seeks to attract researchers, practitioners, program staff from federal agencies, and graduate students across a broad range of scientific disciplines, including complexity science, sociology, behavioral science, psychology, political science, cultural studies, health sciences, economics, computer science, engineering, information systems, physics, and operations research.

Proceedings

The SBP Proceedings were once again published by Springer as part of its Lecture Notes in Computer Science series. These proceedings can be accessed online through the following link: http://link.springer.com/book/10.1007%2F978-3-319-05579-4 (Springer did not make free pdfs available this year).

Conference Committees

The following were member of the SBP 2014 committees:

Conference Co-chairs
Claudio Cioffi-Revilla, George Mason University
Jeffrey Johnson, East Carolina University

Program Co-chairs
William G. Kennedy, George Mason University
Nitin Agarwal, University of Arkansas at Little Rock
Shanchieh Jay Yang, Rochester Institute of Technology

Steering Committee (conference planning)
Claudio Cioffi-Revilla, George Mason University
Jeffrey Johnson, East Carolina University
William G. Kennedy, George Mason University
Nitin Agarwal, University of Arkansas
Shanchieh Jay Yang, Rochester Institute of Technology
Nathan D. Bos, Johns Hopkins University/Applied Physics Lab
Ariel M. Greenberg, Johns Hopkins University/Applied Physics Lab

John Salerno, Air Force Research Lab
Huan Liu, Arizona State University
Donald Adjeroh, West Virginia University
Katherine Chuang, Soostone, Inc.

Advisory Committee (funding agencies)
Fahmida N. Chowdhury, National Science Foundation
Rebecca Goolsby, Office of Naval Research
John Lavery, Army Research Lab/Army Research Office
Tisha Wiley, National Institutes of Health

Sponsorship Committee Chair
Huan Liu, Arizona State University

Publicity Chair
Donald Adjeroh, West Virginia University

Tutorial Chair
Dongwon Lee, Penn. State University

Challenge Problem Co-chairs

Wen Dong, Massachusetts Institute of Technology, Media Lab

Kevin S. Xu, 3M Company

Fred Morstatter, Arizona State University

Katherine Chuang, Soostone, Inc.

Workshop Co-chairs

Fahmida N. Chowdhury, National Science Foundation

Tisha Wiley, National Institutes of Health

Web Chair

Katherine Chuang, Soostone, Inc.

Topic Area Chairs

Edward Ip, Wake Forest School of Medicine, for Health Sciences

Chandler Johnson, Stanford, for the Behavioral Sciences

Amy Silva, Charles River Associates, for Military & Security

Gita Sukthankar, University of Central Florida, for Methodology

Kevin S, Xu, 3M Company, for Information Systems & Network Science

Submission and Review Statistics

The SBP 2014 conference received 101 submissions (from 17 countries), lower than last year's 137 submissions but higher than the prior record of 88 submissions. No doubt the USG Sequester and federal budget situation were significant factors, preventing many from attending (including some sponsors). SBP continued to be a selective, single-track conference. Twenty-four submissions were accepted as oral presentations, a 24 percent acceptance rate. We also accepted 31 posters, more than we had previously, for an overall 54 percent acceptance rate. Three papers were withdrawn and one paper did not meet the length requirements to be published. This resulted in 51 papers included in the proceedings.

Table 1 lists the numbers for SBP 2008-2014:

Table 1: Summary of submission and review statistics for SBP08-SBP14

	Total Submission	Oral (Accept %)	Poster	# TPC members
SBP14	101	24 (24%)	31	92
SBP13	137	33 (24%)	25	141
SBP12	76	32 (42.1%)	14	67
SBP11	85	20 (23.5%)	26	77
SBP10	78	26 (33.3%)	24	68
SBP09	47	19 (40.4%)	12	N/A
SBP08	40+	16 (40%)	11	N/A

This table shows the categories used for matching papers to reviewers, and the number of reviewers self-selecting each category. Authors select the topic categories and subcategories they feel appropriate for reviewer-matching and program organization.

Table 2: Submissions by Topic for SBP14

Topics	all (total)
Behavioral & Social Sciences & Economics: applied	42
Behavioral & Social Sciences & Economics: general/other	22
Behavioral & Social Sciences & Economics: theory	13
Health Sciences: general/other	5
Health Sciences: informatics	5
Health Sciences: social network analysis	14
Information, Systems, & Network Science: general/other	25
Information, Systems, & Network Science: influence	21
Information, Systems, & Network Science: information diffusion	14
Information, Systems, & Network Science: link analysis	8
Information, Systems, & Network Science: network structure	23
Methodology: agent based modeling	18
Methodology: behavior modeling applied	28
Methodology: behavior modeling theory	14
Methodology: general/other	17
Methodology: system dynamics	10
Military and Security: cybersecurity	2
Military and Security: decision support	8
Military and Security: general/other	8
Military and Security: scenario analysis	7
Military and Security: situation awareness	4

The majority of authors came from academia, with significant student participation.

Attendees

The 2014 conference had 158 registrants, slightly fewer than 2013's registration of 166. This was anticipated (and surprisingly not worse!), given the state of the USG federal budget and restrictions on conference attendance.

Gender: The registration form had an optional gender selection. Of those who made a selection, 78 were male and 35 were female, or 69% male and 31% female.

Ethnicity: The registration form had an optional ethnicity question. We used the US census format of asking one question about Hispanic versus non-Hispanic, and asking a separate question about other categories. Of those who made a selection, the breakdown was as follows:

Hispanic	3
(Non-Hispanic 83)	
African	0
African-American	2
Asian including Hawaiian and Pacific Islander	40
Caucasian	50
Middle Eastern	5
Native American	1

Disciplinary affiliations: The registration form had an optional question about attendees' primary disciplinary affiliation. Respondents could select one or more from a set of choices or write in an affiliation. Of those who responded, the breakdown is as follows:

Behavioral Sciences	32
Engineering	14
Health-related sciences	14
Humanities	4
Mathematics or Computer Science	27
Computational Social Sciences	28
Natural Sciences	4
Social Sciences	20
Computer and Information Sciences	24
Other	10

Student and Diversity Fund Recipients

SBP 2014 was able to provide travel support to 23 students. Support for students was provided by NIH and administered through Arizona State University by Wei Wei and Biru Cui. Students who received the student travel award are listed below:

Serpil Yuce, Suhas Ranganath, Ivan Vendrov, Kenneth Joseph, Nidhi Parikh, Biru Cui, Huaming Rao, Shashank Surya Timmarajus, Partha Mukherjee, Hamidreza Alvari, Yves-Alexandre de Montjoye, wei wei, Haipeng Zhang, Ashwin Rajadesingan, Louis Kim, Anne Carpenter, Ngot Bu, David Masad, Mi Zhang, Annie Chen, Haibin Liu, Laura Sheble, Meysam Alizadeh, Shuguang Han, and Mohammad S. Jalali.

SBP was also able to provide support for attendees to encourage diversity, which included consideration of gender, ethnicity, and disciplinary affiliation. The diversity awards were supported by the ONR and managed by Donald Adjeroh and Nitin Agarwal.

Photo: Most of the 2014 student travel support awardees

Program Details

The full program is listed in the appendix. Features included:

Keynote Speakers:

David W. Lightfoot, Georgetown University

The Complexity of Language: How It Is Acquired and How It Changes

Patricia Mabry, National Institutes of Health

Systems Science for Behavioral and Social Science Research: A Look at the Future

Jacquelyn Morie, All These Worlds, LLC

The Ultimate Selfie

Invited Tutorials

- *Modeling a Mobile World:* Wendy J. Nilsen, NIH; Stephen Intille, Northeastern University; Donna Spruijt-Metz, University of Southern California; Misha Pavel, Northeastern University
- *Introduction to Social Data Analysis Combining R and Python:* José Manuel Magallanes, George Mason University and Potifical Catholic University of Perú
- *Multiscale Strategic Interaction with vmStrat Models:* David Sallach, University of Chicago
- *Charting Collections of Connections in Social Media: Creating Maps and Measures with NodeXL:* Marc A. Smith, Connected Action Consulting Group

Best Paper Awards

Best paper awards were determined by reviewer ratings and the judgment of a subcommittee from the organizing committee. From 24 accepted papers, two paper awards were given:

Open Award (top-right): Wenhui Liao, Sameena Shah, and Masoud Makrehchi. *Winning by Following the Winners: Mining the Behaviour of Stock Market Experts in Social Media*

Student Award (lower-right): Nidhi Parikh, Mina Youssef, Samarth Swarup, Stephen Eubank, and Youngyun Chungbaek. *Cover Your Cough! Quantifying the Benefits of a Localized Healthy Behavior Intervention on Flu Epidemics in Washington DC*

Challenge Problem

The SBP Challenge problem was managed by our Challenge Chairs led by Kevin S. Xu. The challenge made use of the new GDELT dataset made available by Kalev Leetaru (who was present for the awards).

Two awards were given at the conference:
<u>First Place</u>
Daniele Durante and David B. Dunson: *Friends in Joy and Sorrow: An Analysis of 2007- 2012 Global Financial Crisis via Bayesian Nonparametric Dynamic Networks*
<u>Second Place</u>
Lei Jiang and Fan Mai: *Discovering Bilateral and Multilateral Causal Events in GDELT*

Funding Panel and Roundtable Discussion

A unique SBP tradition, the funding panel featured short talks by six federal program officers, followed by Q&A and breakout into roundtable discussion over lunch on Friday.

The funding panel included:
Fahmida Chowdhury, NSF/SBE
Chris Clifton, NSF/CISE
Bethany Deeds, NIH/NIDA
Jason Matheny, IARPA
Stephen Marcus, NIH/NIGMS
Erin Fitzgerald, DOD/Minerva

The panel was organized by Fahmida Chowdhury and Tisha Wiley.

Poster Session

The 2014 poster session was able to include 36 SBP posters, giving a presentation opportunity to a number of excellent papers that were also included in the proceedings. The poster session took place Thursday evening.

Acknowledgements

Appendix: Full SBP 2014 Program

SBP + BRiMS 2014 PROGRAM			
Tuesday, April 1		**TUTORIALS**	
Registration	Tue 7:30 AM		
Morning Tutorials	Tue 9:00 AM-12:00 PM RoomAB	*Introduction to Social Data Analysis Combining R and Python*	Dr. Jose Manuel Magallanes
	Tue 9:00 AM-12:00 PM Room C	*Modeling a Mobile World*	Dr. Wendy J. Nilsen; Dr. Stephen Intille, Northeastern University; Dr. Donna Spruijt-Metz, University of Southern California; Dr. Misha Pavel, Northeastern University
Lunch	Tue 12:00 PM - 1:30 PM	*(no conference lunch served)*	
Afternoon Tutorials	Tue 1:30 PM - 4:30 PM Room AB	*Charting Collections of Connections in Social Media: Creating Maps and Measures with NodeXL*	Dr. Marc A. Smith, Chief Social Scientist, Connected Action Consulting Group
	Tue 1:30 PM - 4:30 PM Room C	*Multiscale Strategic Interaction with vmStrat Models*	Dr. David Sallach
Wednesday, April 2			
Registration	7:30 AM		
Welcome & Admin	**8:00 AM**	*Claudio Cioffi-Revilla and Jeff Johnson (SBP) & Bill Kennedy (BRiMS)*	
Session 1 (BRiMS)	8:30 AM	*Session Chair: Bill Kennedy*	
Talk 1		Decisions from Experience: Could Models of Aggregate Choice Explain Individual Choices from Information Search?	Neha Sharma and Varun Dutt
Talk 2		The Effect of Heterogeneous Agents in Socio-Cognitive Networks	Changkun Zhao, Jui-Te Tseng and Frank Ritter
Talk 3		A General Instance-Based Model of Sensemaking in a Functional Architecture	Robert Thomson, Christian Lebiere and Stefano Bennati

Break	9:30 AM	*Refreshments: muffins, yogurt, fruit, beverages*	
Keynote	10:00 AM	**Keynote by David W. Lightfoot entitled "The Complexity of Language: How It Is Acquired and How It Changes"**	
Short break	11:00 AM		
Challenge Session	11:15 AM	*Data Challenge Chairs: Kevin S. Xu, Wen Dong, Fred Morstatter, Katherine Chuang*	
		Challenge Problem Description 2014	
		Winning Challenge Problem talk1	
		Winning Challenge Problem talk2	
		Challenge Problem Description 2015	
Lunch	12:30 PM - 1:45 PM	*Catered lunch: sandwiches, salad, fruit, sweet, beverages*	
Keynote	1:45 PM	**Keynote by Patty Mabry entitled "Systems Science for Behavioral and Social Science Research: A Look at the Future"**	
Best Paper Awards	2:55 PM	Terry Lyons Memorial Best Papers (Regular and Student) presented by the Program Chairs: William G. Kennedy, Nitin Agarwal, Shanchieh Jay Yang	
Break	3:10 PM	*Refreshments: cupcakes, snacks, fruit, beverages*	
Session 2	3:40 PM	*Session Chair: Edward Ip*	
Talk 1		Cover your Cough! Quantifying the Benefits of a Localized Healthy Behavior Intervention on Flu Epidemics in Washington DC	Nidhi Parikh, Mina Youssef, Samarth Swarup, Stephen Eubank and Youngyun Chungbaek
Talk 2		Sample Size Determination to Detect Cusp Catastrophe in Stochastic Cusp Catastrophe Model: A Monte-Carlo Simulation-Based Approach	Din Chen, Xinguang Chen, Wan Tang and Feng Lin

Talk 3		Mobility Patterns and User Dynamics in Racially Segregated Geographies of US Cities	Nibir Bora, Yu-Han Chang and Rajiv Maheswaran
Talk 4		Quantifying Political Legitimacy from Twitter	Haibin Liu and Dongwon Lee
End of day	5:00 PM		

Thursday, April 3

Welcome & Admin	**8:00 AM**	*Claudio Cioffi-Revilla and Jeff Johnson (SBP) & Bill Kennedy (BRiMS)*	
Session 3 (BRiMS)	8:30 AM	*Session Chair: Din Chen*	
Talk 1		Mathematical Capture of Human Data for Computer Model Building and Validation	Gladstone Reid, Gordon Cooke, Robert Demarco, Caitlin Weaver, John Riedener and Elizabeth Mezzacappa
Talk 2		Design Patterns for Balancing Behavior Responsiveness	Randolph Jones and Robert Wray
Talk 3		Enhanced Behavioural Realism for Live Fire Targets	Rick Evertsz, Andrew Lucas, Cameron Smith, Matteo Pedrotti, Frank Ritter, Robin Baker and Paul Burns
Break	9:30 AM	*Refreshments: muffins, bagels, hardcooked eggs, fruit, beverages*	
Keynote	10:00 AM	**Keynote by Jacquelyn Morie entitled "The Ultimate Selfie"**	
Session 4	11:10 AM	*Session Chair: Amy Sliva*	
Talk 1		Segmenting Large-Scale Cyber Attacks for Online Behavior Model Generation	Steven Strapp and S. Jay Yang
Talk 2		Deriving Population Assessments through Opinion Polls, Text Analytics, and Agent-Based Modeling	Ian Yohai, Bruce Skarin, Robert McCormack and Jasmine Hsu
Talk 3		Incorporating Interpretation into Risky Decision-Making: A Computational Model	David Broniatowski and Valerie Reyna
Talk 4		Emergent Consequences: Complex Behaviors in a Simple Model to Support Innovation Adoption, Planning, and Evaluation	H. Van Dyke Parunak and Jonathan A. Morell

Lunch	12:30 PM - 12:45 PM	*(no conference lunch served)*	
Session 5	1:45 PM	***Session Chair: Nitin Agarwal***	
Talk 1		Winning by Following the Winners: Mining the Behavior of Stock Market Experts in Social Media	Wenhui Liao, Sameena Shah and Masoud Makrehchi
Talk 2		Predicting Social Ties in Massively Multiplayer Online Games	Jina Lee and Kiran Lakkaraju
Talk 3		Path Following in Social Web Search	Jared Lorince, Debora Donato and Peter Todd
Talk 4		Estimating Social Network Structure and Propagation Dynamics for an Infectious Disease	Louis Kim, Kimon Drakopoulos, Stephan Kolitz, Mark Abramson and Asuman Ozdaglar
Short break	3:05 PM		
Poster Introductions	3:15 PM	***Poster Introduction Chairs: Sun-Ki Chai and David Reitter***	
Break (rearrange room)	4:10 PM		
Thursday Poster Session and Reception 4:40 - 6:30PM		**Reception: assorted hot and cold hors d'oeuvres, sweets, beverages**	
SBP Poster		*The Needs of Metaphor*	David Bracewell
SBP Poster		*Predicting Guild Membership in Massively Multiplayer Online Games*	Hamidreza Alvari, Kiran Lakkaraju, Gita Sukthankar and Jonathan Whetzel
SBP Poster		*Frogs in a Pot: An Agent-Based Model of Well-Being Versus Prosperity*	Chris Thron
SBP Poster		*A New Paradigm for the Study of Corruption across Cultures*	Kobi Gal, Avi Rosenfeld, Sarit Kraus, Michele Gelfand and Bo An
SBP Poster		*Simulating International Energy Security*	David Masad
SBP Poster		*Emergent Behavior in Informal Text Communication: Emoticon Use in First and Second Languages*	Cecilia Aragon, Nan-Chen Chen, Judith Kroll and Laurie Feldman
SBP Poster		*Social Maintenance and Psychological Support using Virtual Worlds*	Peggy Wu, Jacquelyn Morie, J. Benton, Kip Haynes, Eric Chance, Tammy Ott and Sonja Schmer-Galunder

SBP Poster	*Temporal Dynamics of Scale-Free Networks*	Erez Shmueli, Yaniv Altshuler and Alex Pentland
SBP Poster	*Contexts of Diffusion: Adoption of Research Synthesis in Social Work and Women's Studies*	Laura Sheble and Annie Chen
SBP Poster	*Big Data-Driven Marketing: How Machine Learning Outperforms Marketers' Gut-Feeling*	Pål Sundsøy, Johannes Bjelland, Asif M. Iqbal, Alex "Sandy" Pentland, and Yves-Alexandre de Montjoye
SBP Poster	*Modeling Impact of Social Stratification on the Basis of Time Allocation Heuristics in a Social Network.*	Michal Kakol, Radoslaw Nielek and Adam Wierzbicki
SBP Poster	*Dyadic Attribution: A Theoretical Model for Interpreting Online Words and Actions*	Shuyuan Mary Ho, Shashanka Ss Timmarajus, Mike Burmester and Xiuwen Liu
SBP Poster	*Cholera and Water Treatment Behavior: Modeling the '08-'09 Cholera Epidemic in Zimbabwe*	Anne Carpenter
SBP Poster	*Team PsychoSocial State Assessment through Discourse Analysis: Power and Comfort/Routine*	Christopher Miller, Jeffrey Rye, Peggy Wu, Sonja Schmer-Galunder and Tammy Ott
SBP Poster	*Using Trust Model for Detecting Malicious Activities in Twitter*	Mohini Agarwal and Bin Zhou
SBP Poster	*Emerging Dyanmics in Crowdfunding Campaigns*	Huaming Rao, Anbang Xu, Xiao Yang and Wai-Tat Fu
SBP Poster	*A Study of Mobile Information Exploration with Multi-Touch Interactions*	Shuguang Han, I-Han Hsiao and Denis Parra
SBP Poster	*Frabjous: A Declarative, Domain-Specific Language for Agent-Based Modelling*	Ivan Vendrov, Christopher Dutchyn and Nathaniel Osgood
SBP Poster	*Incorporating Social Theories in Computational Behavioral Models*	Eunice E. Santos, Eugene Santos Jr., John Korah, Riya M. George, Qi Gu, Jacob Jurmain, Keumjoo Kim, Deqing Li, Jacob Russell, Suresh Subramanian, Jeremy Thompson and Fei Yu
SBP Poster	*Studying the Evolution of Online Collective Action: Saudi Arabian Women's Driving Campaign on Twitter*	Serpil Yuce, Nitin Agarwal, Rolf Wigand, Merlyna Lim and Rebecca Robinson.

SBP Poster	*Civil Unrest Prediction: A Tumblr-based Exploration*	Jiejun Xu, Tsai-Ching Lu, Ryan Compton and David Allen
SBP Poster	*Mutual Information Technique in Assessing Crosstalk Through a Random-Pairing Bootstrap Method*	Xinguang Chen and Din Chen
SBP Poster	*Social TV and the Social Soundtrack: Significance of Second Screen Interaction during Television Viewing*	Partha Mukherjee
SBP Poster	*A Comparative Study of Smoking Cessation Programs on Web Forum and Facebook*	Mi Zhang, Christopher Yang and Katherine Chuang
SBP Poster	*The Social Aspect of Voting for Useful Reviews*	Asher Levi and Osnat Mokryn
SBP Poster	*The Data Absorption Technique: Coevolution to Automate the Accurate Representation of Social Structure*	Deborah Duong
SBP Poster	*New Methods of Mapping: The Application of Social Network Analysis to the Study of the Illegal Trade in Antiquities*	Michelle D'Ippolito
SBP Poster	*Social Network Structures of Primary Health Care Teams Associated with Health Outcomes in Alcohol Drinkers with Diabetes*	Marlon Mundt and Larissa Zakletskaia
BRiMS Poster	*Support for ACT-R Modeling of Elliptical Endpoint Error Distributions in Mobile Touchscreen 2-D Fitts' Law Tasks*	Kristen Greene, Melissa Gallagher and Frank Tamborello
BRiMS Poster	*Quantifying and Enhancing Robustness of Cognitive and Behavioral Systems*	Matthew Walsh and Kevin Gluck
BRiMS Poster	*Modeling Psychological Theories of Emotion and Social Identity for Helping the Conception of Psychological Messages: The System PSYMDEV*	Colette Faucher and Malika Machtoune
BRiMS Poster	*Preparing Leaders at the United States Military Academy: A Socio-structural View*	Kathryn Coronges, Yulia Tyshchuk and William Wallace
BRiMS Poster	*Combining Visual Cognition Systems Using the Combinatorial Fusion Model*	Darius A. Mulia, Randy Clinton, Charles R. Skelsey, Lihan Yao and D. Frank Hsu
BRiMS Poster	*Exposing AI Configuration to Operator Control*	Kevin Dill and Phe Meas

BRiMS Poster		*The Virtual Employment Test Bed: An Immersive Synthetic Environment Allows Engineers to Test and Evaluate Material Solutions*	Robert Demarco, Gordon Cooke, John Riedener and Elizabeth Mezzacappa
BRiMS Poster		*An Improved Genetics-based Model of Emotion Diffusion on Facebook based on Similarity, Interactivity and Connectivity Principles*	Roche Lee Razonable and Kurt Junshean Espinosa
End of day	6:30 PM		

Friday, April 4

Welcome & Admin	**8:00 AM**	***Claudio Cioffi-Revilla and Jeff Johnson (SBP) & Bill Kennedy (BRiMS)***	
Session 6	8:30 AM	***Session Chair: S. Jay Yang***	
Talk 1		A New Approach for Item Ranking Based on Review Scores Reflecting Temporal Trust Factor	Kazumi Saito, Masahiro Kimura, Kouzou Ohara and Hiroshi Motoda
Talk 2		mFingerprint: Privacy-Preserving User Modeling with Multimodal Mobile Device Footprints	Haipeng Zhang, Zhixian Yan, Jun Yang, Emmanuel Tapia and David Crandall
Talk 3		How Individuals Weigh Their Previous Estimates to Make a New Estimate in the Presence or Absence of Social Influence	Mohammad S. Jalali
Talk 4		Multi-objective Optimization for Multi-level Networks	Brandon Oselio, Alex Kulesza and Alfred Hero
Break	9:50 AM	*Refreshments: muffins, rice cakes, fresh fruit, beverages*	
Session 7	10:20 AM	***Session Chair: Kevin Xu***	
Talk 1		Labeling Actors in Social Networks using a Heterogeneous Graph Kernel	Ngot Bui and Vasant Honavar
Talk 2		Who Will Follow a New Topic Tomorrow?	Biru Cui and S. Jay Yang
Talk 3		Identifying Users with Opposing Opinions in Twitter Debates	Ashwin Rajadesingan and Huan Liu
Talk 4		Two 1%s Don't Make a Whole: Comparing Simultaneous Samples from Twitter's Streaming API	Kenneth Joseph, Peter Landwehr and Kathleen Carley

Lunch pickup/ re-arrange room	11:40 AM - 1:30 PM	*Lunch: assorted wraps, fruit, dessert, beverages.* Pick up lunch in foyer, return to sponsors' panel & roundtable discussions with sponsors	
Lunch & Funding panel	12:10 PM	*Funding Panel Session Chairs: Fahmida Chowdhury, Tisha Wiley*	
		Fahmida Chowdhury, NSF/SBE Chris Clifton, NSF/CISE Bethany Deeds, NIH/NIDA Jason Matheny, IARPA Stephen Marcus, NIH/ NIGMS Erin Fitzgerald, DoD/Minerva	
Short break	1:30 PM		
Session 8	1:40 PM	*Session Chair: Bill Kennedy*	
Talk 1		System-subsystem Dependency Network for Integrating Multicomponent Data and Application to Health Sciences	Edward Ip, Shyh-Huei Chen and Jack Rejeski
Talk 2		Integrating Epidemiological Modeling and Surveillance Data Feeds: A Kalman Filter-based Approach	Weicheng Qian, Nathaniel Osgood and Kevin Stanley
Talk 3		Identifying Emergent Thought Leaders	Andrew Duchon and Emily Patterson
Talk 4		Human Development Dynamics: An Agent Based Simulation of Adaptive Heterogeneous Games and Social Systems	Mark Abdollahian, Zining Yang, Patrick Neal and Birol Yesilada
Break	3:00 PM	*Refreshments: sweets, snacks, fruit, beverages*	
Session 9 (BRiMS)	3:30 PM	*Session Chair: David Reitter*	
Talk 1		Simulating Network Behavioral Dynamics by using a Multi-agent approach driven by ACT-R Cognitive Architecture	Oscar Javier Romero López
Talk 2		Modeling Proficiency in a Tailored, Situated Training Environment	Jeremiah T. Folsom-Kovarik, Charles Newton, Joshua Haley and Robert E. Wray

Talk 3		Threat Density Map Modeling for Combat Simulations	Francisco Baez and Christian Darken
Talk 4		Rapid Adaptive Realistic Behavior Modeling is Viable in Training	Margery Doyle and Antoinette Portrey
Conference Wrap-up	**4:50 PM**	***SBP 2015 preview Jeff Johnson***	